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Bouchardophagus gen. nov., a new genus of Mycetophagidae (Coleoptera) from Chile

JIŘÍ HÁVA

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Mycetophagidae;
Bouchardophagus;
taxonomy;
redescription;
new combination;
new genus;
Chile.

Abstract. – *Bouchardophagus* **gen**. **nov**. with the type species *B. angelinii* (Háva, 2021) **comb**. **nov**. from Chile is described, illustrated and compared with the similar genus *Filicivora* Leschen & Lawrence, 1991. Additional distributional data is provided.

Háva J., 2026. – *Bouchardophagus* **gen**. **nov**., a new genus of Mycetophagidae (Coleoptera) from Chile. *Faunitaxys*, 14(45): 1 – 3.

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Introduction

The genus *Filicivora* Leschen & Lawrence, 1991 was erected to include *Filicivora chilensis* (Philippi & Philippi, 1864) described from the Juan Fernandez Islands as *Mycetophagus*. Leschen & Lawrence (1991) transferred the species and a variety described by Pic (1940) to their new genus. A second species was described by Háva (2021).
According to the updated morphological characters this species has been transferred to new the newly described genus as *Bouchardophagus angelinii* (Háva, 2021) **comb**. **nov**.

Material and Methods

The mentioned material is deposited in the following collections:
- **JHAC**: Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic;
- **MZUF**: collection of Fernando Angelini, Museo Zoologico „La Specola“, Firenze, Italy (Luca Bartolozzi).

Colour photographs were taken with a Nikon Coolpix 990 digital camera through an MBS-10 binocular stereo microscope.

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:
- total length (TL): linear distance from anterior margin of head to apex of elytra.
- elytral width (EW): maximum linear transverse distance.

Taxonomy

Bouchardophagus **gen**. **nov**.

(Fig. 1-2)

ZooBank: https://zoobank.org/63C81385-29A5-46E2-ACBB-5372A14F16C3

Type species: *Bouchardophagus angelinii* (Háva, 2021) **comb**. **nov**. (= *Filicivora angelinii* Háva, 2021).

Description. – Male.

Body. – Elongate-oval, subparallel-sided; weakly convex dorsally, weakly glossy; mostly dark brown, covered with erect brownish and yellow setation; mouth parts, legs brown; elytra dark brown with orange spots.

Head. – With dense and coarse punctures; ocular distance about 2.5 times wider than diameter of eyes; covered by yellowish, erect setation; labrum brown; eyes prominent laterally in dorsal view, coarsely faceted and emarginate near antennal insertions; antennae brown with 11 antennomeres, antennomeres I-V, XI light brown, VI-X dark brown; palpi dark brown, apical maxillary palpomere cylindrical.

Pronotum. – Brown, convex dorsally, rugose, with large and dense punctures; widest at middle, gradually narrowed anteriad and posteriad; anterior margin slightly arcuate; lateral sides distinctly margined, roundly arcuate with small denticles; basal margin sinuate, with short and circular grooves subbasally.

Scutellum. – Brown, triangular, with short recumbent brown setation.

Elytra. – With erect yellow and brown setation, elongate, subparallel-sided, narrowed from apical 1/4 to apex; brown with orange patches (Fig. 1a), punctate-striate, punctures very deep, small and regular; interstices flat, narrower than striae. Hindwing as in Fig. 2.

Meta-meso ventrite. – Dark brown, with yellow recumbent setation, finely punctured.

Legs. – Tarsal formula is 3-4-4.

Abdominal ventrites. – Brown, with long yellow recumbent setation, finely punctured.

Diagnosis. – The new genus differs from the Chilean genus *Filicivora* and the genus *Mycetophagus* by the following characters:

1(**4**) Frontoclypeal suture deeply impressed and straight or curved.

2(**3**) Pronotum laterally dentate, paired basal pronotal impressions not present; hindwing not reduced (Fig. 2) . . . *Bouchardophagus* **gen**. **nov**.

3(**2**) Pronotum not laterally dentate, paired basal pronotal impressions present; hindwing not reduced . . . . . *Mycetophagus* Fabricius, 1792

4(**1**) Frontoclypeal suture somewhat angulate and not deeply impressed; pronotum not laterally dentate, paired basal pronotal impressions not present; hindwing reduced (Fig. 4) . . . . . *Filicivora* Leschen & Lawrence, 1991

Etymology. – The genus name is dedicated to my friend and Canadian entomologist Patrice Bouchard. The name is composed of two words, the name Bouchard and part *-ophagus* of the name *Mycetophagus*. Masculine gender.

Reviewer : Vladimír Novák (*Praha, Czech Republic*) - https://orcid.org/0000-0001-9287-2014 - https://zoobank.org/D5C7B806-1C9E-4C99-944A-13A71EE01B79

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Bouchardophagus angelinii Háva, 2021 **comb**. **nov**.

Type material (mentioned by Háva (2021))

Holotype, ♂, Chile SC, Curicó prov., 15 km E Potrero Grande, 29.Nov. 1995, leg. J.E. Barriga, (MZUF).

Paratypes

- **2** ♀, same locality as holotype (MZUF, JHAC);

- **4** spec., Chile SC, Curicó prov., 20 km E Potrero Grande, El Relvo (T/ Malaise), 21 dic.2003, 35°11.14´S 70°56´W, leg. J.E. Barriga, (**2** MZUF, **2** JHAC);

- **3** spec., Chile SC, Curicó prov., Fdo Las Tablas, 5 km E Potrero Grande, abr.1998, leg. J.E. Barriga, (MZUF);

- **2** ♀, Chile SC, Malleco prov., PN Nahuelbuta, 12.Feb.2005, leg. J.E. Barriga, fogging, Nothofagus dombeyi, 1200 m, 37°47´S 73°W, (MZUF).

Specimens of the described species are provided with red, printed labels with text as follows: „HOLOTYPE (or PARATYPE, respectively) *Filicivora angelinii* sp. nov. Jiří Háva det. 2021."

Other material examined: „S Chile, Araucanía Reg., Cautín prov., Cuesta Lastarria, N of Loncoche city", **1** ♀, J. Háva det., (JHAC).

Redescription. Male.

Body. – Measurements TL 3.9 mm, EW 1.7 mm; elongate-oval, subparallel-sided; weakly convex dorsally, weakly glossy; mostly dark brown, covered with erect brownish and yellow setation; mouth parts, legs brown; elytra dark brown with orange spots.

Head. – With dense and coarse punctures; ocular distance about 2.5 times wider than diameter of eyes; covered by erect yellowish setation; labrum brown; eyes prominent laterally in dorsal view, coarsely faceted and emarginate near antennal insertions; antennae brown with 11 antennomeres, antennomeres I-V, XI light brown, VI-X dark brown; palpi dark brown, apical maxillary palpomere cylindrical.

Pronotum. – Brown, convex dorsally, rugose, with large and dense punctures; widest at middle, gradually narrowed anteriad and posteriad; anterior margin slightly arcuate; lateral sides distinctly margined, roundly arcuate with small denticles; basal margin sinuate, with short and circular grooves subbasally.

Scutellum. – Brown, triangular, with short recumbent brown setation.

Elytra. – With yellow and brown erect setation, elongate, subparallel-sided, narrowed from apical 1/4 to apex; brown with orange patches (Fig. 1a), punctate-striate, punctures very deep, small and regular; interstices flat, narrower than striae. Hindwing as Fig. 2.

Meta-meso ventrite. – Dark brown, with yellow recumbent setation, finely punctured.

Legs. – Tarsal formula is 3-4-4.

Abdominal ventrites. – Brown, with long yellow recumbent setation, finely punctured.

Female. – Similar to male, but tarsal formula is 4-4-4.

Variability. – Body measurements TL 3.3-4.5 mm. Elytral cuticula dark brown to light brown. Elytral spots are variable from Fig. 1a to reduced as Fig. 1b.

Distribution. – Chile: Curicó prov., Malleco prov. (Háva 2021), new to Cautín prov.

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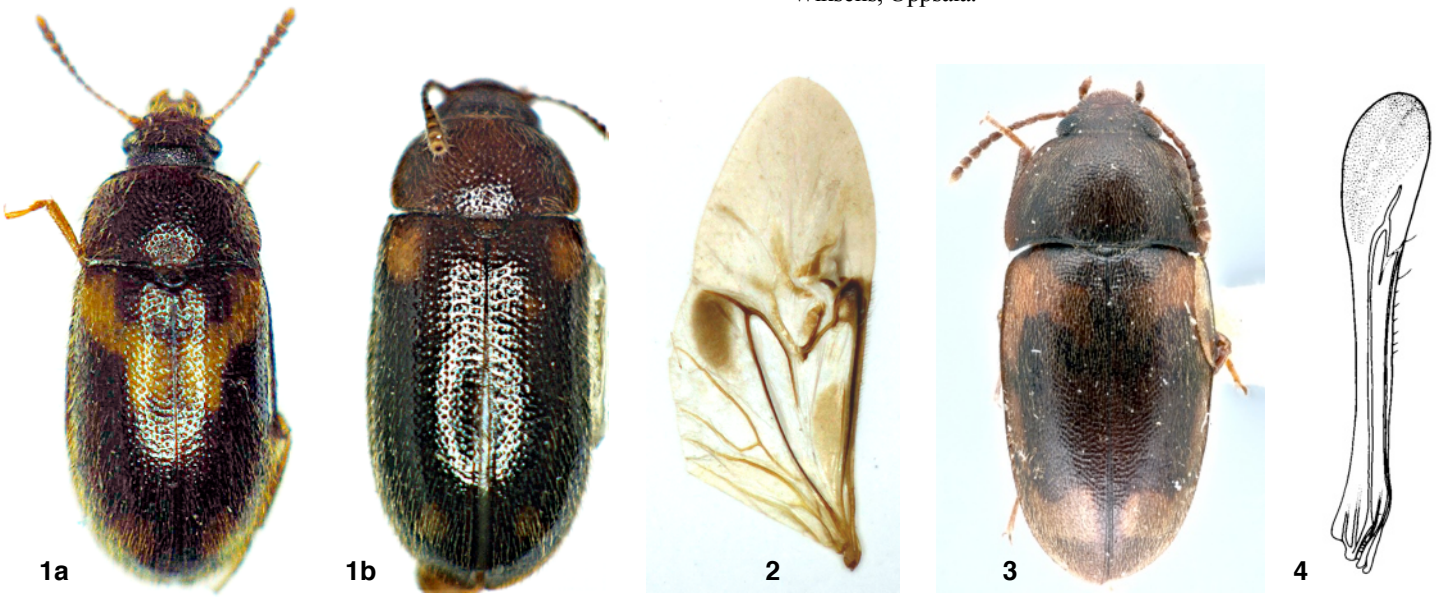

Fig. **1-4**. *Bouchardophagus angelinii* (Háva, 2021) **comb**. **nov**.

1a. Habitus of holotype, dorsal. **1b**. Habitus of paratype with reduced spots, dorsal. **2**. Wing; *Filicivora chilensis* (Philippi & Philippi, 1864). **3**. Habitus, dorsal. **4**. Wing (according to Háva 2021).

Résumé

Háva J., 2026. – *Bouchardophagus* **gen**. **nov**., un nouveau genre de Mycetophagidae (Coleoptera) du Chili. *Faunitaxys*, 14(45) : 1 – 3.

Bouchardophagus **gen**. **nov**., avec l'espèce type *B*. *angelinii* (Háva, 2021) **comb**. **nov**. du Chili, est décrit, illustré et comparé au genre similaire *Filicivora* Leschen & Lawrence, 1991. Des données de distribution supplémentaires sont fournies.

Mots-clés. – Coleoptera, Mycetophagidae, *Bouchardophagus*, taxonomie, redescription, nouvelle combinaison, genre nouveau, Chili.

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Guanacos (*Lama guanicoe*), Torres del Paine National Park, Chile.

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